PTO/SB:08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

CNTR.2021

U.S. Patient and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Attorney Docket Number** 

Substitute for form 1449A/PTO Complete if Known **Application Number** 09/849736 **INFORMATION DISCLOSURE** Filing Date 05/04/01 STATEMENT BY APPLICANT **First Named Inventor** G. Glenn Henry (use as many sheets as necessary Thomas C. McDonald **Group Art Unit** 2183 **Examiner Name** David Huisman

Sheet

of

2

Examiner	Cite	U.S. Patent D		Name of Patentee or Applicant	Date of Publication	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Initiats	No.'	Number	Kind Code <sup>2</sup>	of Cited Document	of Cited Document MM-DD-YYYY	
1001	AA	5142634		Fite et al	08/25/1992	
m	AB	5163140		Stiles et al	11/10/1992	
(D)	AC	5404467		Saba et al	04/04/1995	
DDA	AD	5687360		Po-Hua Chang	11/11/1997	· · · · · · · · · · · · · · · · · · ·
007}	ΑE	5761723		Black et al	06/02/1998	
M	AF	5867701		Brown et al	02/02/1999	
1001	AG	5964868		Gochman et al	10/12/1999	-
(OT)	AH	5974543		Hilgendorf et al	10/26/1999	
mt	Al	5978909		Oded Lempel	11/02/1999	
OD +	AJ	6088793		Liu et al	07/11/2000	
<b>601</b>	AK	6151671		D'Sa et al	11/21/2000	
DH	AL	6314514		Thomas C. McDonald	11/6/2001	
ADD)	АМ	6502185		Keller et al	12/31/2002	
400	AN	6601161		Rappoport et al	07/29/2003	
#100	AO	6647467		Eric M. Dowling	11/11/2003	<del></del>

Examiner Signature Dan Ir Jum	Date Considered	1-14-05
-------------------------------	--------------------	---------

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

<sup>\*</sup>Unique citation designation number: \*See attached Kinds of U.S. Patent Documents. \*Enter Office that issued the document, by the two-letter code (WiPO Standard ST. 3).
\*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

CNTR.2021

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains o valid OMB control number.

Attorney Docket Number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary

(use as many sheets as necessary

Complete if Known

Application Number 09/849736

Filing Date 05/04/01

First Named Inventor G. Glenn Henry Thomas C. McDonald

Group Art Unit 2183

Examiner Name David Huisman

DEC 1 5 2004

Sheet

2

Urilin,

		OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, diy and/or country where published.	T²
1001	ВА	YEH ET AL; <u>ALTERNATIVE IMPLEMENTATION OF TWO-LEVEL ADAPTIVE BRANCH PREDICTION;</u> 19 <sup>TH</sup> Annual International Symposium on Computer Architecture, pp. 124-134, May 19-21, 1992, Gold Coast, Australia.	
DOH	ВВ	CHANG ET AL; ALTERNATIVE IMPLEMENTATIONS OF HYBRID BRANCH PREDICTORS; Proceedings of MICRO-28, 1995, IEEE.	
6004	вс	MC FARLING, SCOTT; WRL TECHNICAL NOTE TN-36, "Combining Branch Predictors, June 1993, Western Research Laboratory, 250 University Ave., Palo Alto, CA 94301	
007H	BD	IEEE 100; THE AUTHORITATIVE DICTIONARY OF IEEE STANDARDS TERMS; Seventh Edition, IEEE, Standards Information Network, IEEE Press,	
024	BE	BRAY ET AL; <u>STRATEGIES FOR BRANCH TARGET BUFFERS; Technical Report No. CSL-TR-91-480, June 1991.</u>	

Examiner Signature T. M.	Date Considered	1-14-05
--------------------------	--------------------	---------

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Unique distion designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO Complete if Known **Application Number** 09/849736 INFORMATION DISCLOSURE Filing Date 05/04/01 STATEMENT BY APPLICANT **First Named Inventor** G. Glenn Henry Thomas C. McDonald (use as many sheets as necessary Group Art Unit 2183 **Examiner Name David Huisman** Sheet 1 **Attomey Docket Number** CNTR.2021

	U.S. PATENT DOCUMENTS					
Exami ner initial s	Cite No.1	U.S. Patent Doc Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
(D)	AA	5355459		Matsuo et al	10/11/1994	
HCO	AB	5850543		Shiell et al	12/15/1998	
אנט	AC	6108773		Col et al	08/22/2000	
				P		

	FOREIGN PATENT DOCUMENTS					
	Cite	Foreign Patent I	Document	Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant
	No.	Number <sup>4</sup>	Kind Code <sup>5</sup>	of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
	<del></del>					
	$\vdash$		++			<del> </del>

Examiner Signature	Dant	1 Thin	Date Considered	1-14-05	
-----------------------	------	--------	--------------------	---------	--

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Unique cliation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

O E JC130 10 WE WOODS

Substitute for form 1449A/PTO

2

Sheet

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary

of

3

Complet if Known				
Application Number	09/849736			
Filing Date	05/04/01			
First Named Inventor	G. Glenn Henry			
	Thomas C. McDonald			
Group Art Unit	2183			
Examiner Name	David Huisman			
Attorney Docket Number	CNTR.2021			

		OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published.	T²
400	ВА	"Microarchitecture support for reducing Branch Penalty in a Superscaler Processor", pp 208-216; Mamoru Sakamoto et al., Mittsubishi Electric Corp., 4-1 Mizuhara, Itami, Hyogo 664, Japan, 1996 IEEE.	
DOH	ВВ	Microprocessor Report; Intel's P6 Uses Decoupled Superscalar Design, Vol. 9, No. 2, February 16, 1995.	
DOH	ВС	Microprocessor Report; MicroDesigns Resources, August 23, 1999.	
		·	
		·	
		·	
<del>.</del>		·	

Examiner Signature	Dail & Thin	Date Considered	1-14-05	
-----------------------	-------------	--------------------	---------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, OC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.